

(12) UK Patent Application (19) GB (11) 2 135 585 A

(43) Date of printing by UK Office 5 Sep 1984

(21) Application No 8411519

(22) Date of filing 11 Apr 1983

(30) Priority data

(31) 8202739 (32) 30 Apr 1982 (33) SE

(86) International application data
PCT/SE83/00131 Se 11 Apr 1983

(87) International publication data
WO83/03752 En 10 Nov 1983

(51) INT CL³ (As given by ISA)
A61F 1/00 A61B 17/00

(52) Domestic classification
A5R AR

(56) Documents cited by ISA
US, A, 3509883 DE, A, 2152142
US, A, 3868956 DE, B2, 2528273
US, A, 3993078 FR, A, 2333487
US, A, 4130904 FR, A, 2391709
US, A, 4300244 WO, A1, 80/01460
DE, B, 1007948 WO, A1, 82/01647

(58) Field of search by ISA
INT CL³ A61B 17/00, A61F 1/00, A61M 25/00-/02,
29/00-/02
US CL³ 1, 1.4; 128: 303.11, 325-328, 334, 339-340,
341-345, 348-349 including SE, NO, DK, FI classes as
above

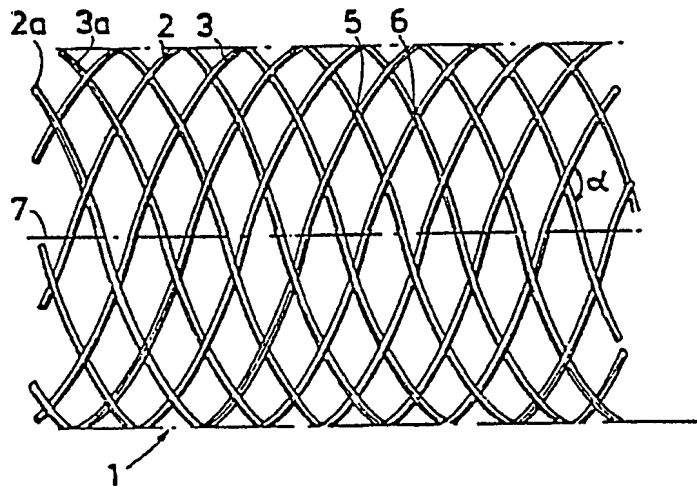
(71) Applicant
Hans Ivar Wallsten,
Villa Pre-Boise, CH—1141 Denens, Switzerland

(72) Inventor
Hans Ivar Wallsten

(74) Agent and/or Address for Service
J. A. Kemp & Co., 14 South Square, Gray's Inn, London
WC1R 5EU

(54) A prosthesis comprising an
expandable or contractile tubular body

(57) A prosthesis for transluminal
implantation comprising a flexible
tubular body which has a diameter that
is variable by axial movement of the
ends of the body relative to each other
and which is composed of several
individual rigid but flexible thread
elements each of which extends in helix
configuration with the centre line of the
body as a common axis, a number of
elements having the same direction of
winding but being axially displaced
relative to each other crossing a
number of elements also axially
displaced relative to each other but
having the opposite direction of
winding; and method for transluminal
implantation.



GB 2 135 585 A